

**ARIZONA GAME AND FISH DEPARTMENT
HERITAGE DATA MANAGEMENT SYSTEM**

Plant Abstract

Element Code: PDAP10U0M0

Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Cymopterus megacephalus*

COMMON NAME: Cameron water-parsley, large-leaf spring parsley, largeleaf springparsley

SYNONYMS:

FAMILY: Apiaceae

AUTHOR, PLACE OF PUBLICATION: M.E. Jones, Zoë 2(1): 14-15. 1891.

TYPE LOCALITY: South of Little Colorado River, Arizona, USA.

TYPE SPECIMEN: HT: ?. M.E. Jones s.n., 10 Jun 1890. Isolectotype: US-47080.

TAXONOMIC UNIQUENESS: *Cymopterus megacephalus* is 1 of 35 species in the genus *Cymopterus* in North America, and 1 of 9 in Arizona.

DESCRIPTION: Acaulescent perennial forb, 10-18 cm (4-7 in) tall, glabrous (except for pubescence of the fruit), pseudoscape never developed. The leaves and peduncles are located at the summit of the taproot. Leaves are pinnately 3- to 5-foliate, the segments broad and rounded; peduncles are as long as or longer than the leaves. Stems above the leaves, and with dense, greenish umbel. Involucre absent; bractlets of involucels foliaceous and conspicuous; flowers white (also reported as yellow by McDougall, 1973), in disc-shaped clusters. The fruit is broadly elliptic, about 8 mm long, the dorsal and intermediate ribs winged or filiform.

AIDS TO IDENTIFICATION:

ILLUSTRATIONS: Color photo of Isolectotype (Jones, US-47080, in <http://ravenel.si.edu/botany/types//fullRecords.cfm?myFamily=>)

TOTAL RANGE: Endemic to northern Arizona. From eastern Coconino County, north and south of Cameron, and north of Gray Mountain, northeast of Flagstaff. Also collected in Yavapai County near Montezuma Castle. McDougall (1973) reports that the distribution for this plant includes Utah, Colorado, New Mexico and Arizona.

RANGE WITHIN ARIZONA: See "Total Range."

SPECIES BIOLOGY AND POPULATION TRENDS

GROWTH FORM: Perennial forb/herb.

PHENOLOGY: Flowers from April to June.

BIOLOGY:

HABITAT: In Yavapai County, collected on Canotia hillsides with limey soil.

ELEVATION: From 4,440 to 5,170 ft (1354-1577 m). McDougall (1973), reports elevation ranges from 4,500 to 7,000 ft (1373-2135 m).

EXPOSURE:

SUBSTRATE: Sandy, gravelly or shaly soil; limey soil in Yavapai County.

PLANT COMMUNITY: Great Basin desertscrub and desert-grassland. Collected in 1997 (by M. Baker, ASU-213244) in Coconino County with *Achnatherum hymenoides* (Indian Mountain-ricegrass), *Atriplex confertifolia* (shadscale), and *Chamaesaracha coronopus* (green false-nightshade).

POPULATION HISTORY AND TRENDS: Unknown.

SPECIES PROTECTION AND CONSERVATION

ENDANGERED SPECIES ACT STATUS: SC (USDI, FWS 1996)
[C2 USDI, FWS 1993]

STATE STATUS: None

OTHER STATUS: Forest Service Sensitive (USDA, FS Region 3, 1999)

MANAGEMENT FACTORS:

PROTECTIVE MEASURES TAKEN:

SUGGESTED PROJECTS: Surveys to determine the status, range, and habitat of this species need to be performed.

LAND MANAGEMENT/OWNERSHIP: BIA – Navajo Nation; State Land Department; Private.

SOURCES OF FURTHER INFORMATION**REFERENCES:**

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MAJOR KNOWLEDGEABLE INDIVIDUALS:**ADDITIONAL INFORMATION:**

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